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Anthony P. Curtis, Ph.D., Reg. No.:46,193

Name of applicant, assignee or Registered Representative

1/16/04

Date of Signature

Our Case No. 9281-3660 Client Ref. No. N US99090

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Naoya Hasegawa))
Serial No.: 09/586,624) Examiner: Bernatz, Kevin M.)
Filing Date: 06/02/2000) Group Art Unit: 1773
For: SPIN-VALVE TYPE MAGNETORESISTIVE SENSOR AND METHOD OF MANUFACTURING THE SAME)))

RESPONSE TO FINAL OFFICE ACTION

MS/AF Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

This paper is submitted in response to the Office Action of March 16, 2004. The Remarks begin on page 2.